



FACILITY COMPLIANCE INSPECTION REPORT

Division of Waste Management Solid Waste Section

UNIT TYPE:										
Lined MSWLF		LCID		YW		Transfer		Compost	SLAS	COUNTY: Guilford PERMIT NO.: 41-03 FILE TYPE: COMPLIANCE
Closed MSWLF	X	HHW		White goods		Incineration		T&P	FIRM	
CDLF	X	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO	SDTF	

Date of Site Inspection: 02/08/12

Date of Last Inspection: 01/21/11

FACILITY NAME AND ADDRESS:

City of Greensboro, White Street Landfill
 2503 White Street
 Greensboro, N.C. 27405

GPS COORDINATES: N: 36.10831 E: 79.73095

FACILITY CONTACT NAME AND PHONE NUMBER:

Jason Jernigan, Interim Waste Disposal Manager
 Office: 336-412-3959
 Landfill: 336-373-7658
 Cell: 336-587-3445
 e-mail: jason.jernigan@greensboro-nc.gov

FACILITY CONTACT ADDRESS:

City of Greensboro, Environmental Services Department, Solid Waste Management Division
 P.O. Box 3136
 Greensboro, North Carolina 27402

PARTICIPANTS:

Jason Jernigan, Interim Waste Disposal Manager
 Lewis Walker, Compliance Supervisor
 Robert Rash, Compost Facility Manager
 Shawn McKee, N.C. Solid Waste Section
 Hugh Jernigan, N.C. Solid Waste Section

STATUS OF PERMIT:

Closed MSW Landfill, C&D over Closed MSW Landfill
 Original Issue Date (C&D over Closed MSW, Stage I): January 7, 1998
 Permit Modification (C&D over Closed MSW, Stage II): October 7, 1998
 Permit Modification (C&D over Closed MSW, Stage III): April 15, 2000
 Permit Amendment (Continued operation, C&D over Closed MSW, Stage I): May 25, 2006
Permit Review Date: July 1, 2008
Permit Expired

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 2 of 2

PURPOSE OF SITE VISIT:

Comprehensive Site Inspection

STATUS OF PAST NOTED VIOLATIONS:

NONE

OBSERVED VIOLATIONS

NONE

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

ADDITIONAL COMMENTS

1. The facility covered under Permit No. 41-03 is a Closed MSW Landfill (Phase II), Construction and Demolition Landfill over a closed MSW Landfill. A Large Type One Compost Facility is covered under Permit No. 41-03SWC, and a MSW Landfill under Permit No. 41-12 is at the same location and utilizes the same scale house facilities.
2. The service area for the facility is limited to Guilford County.
3. The closed MSW Landfill consists of 135 acres. A permit for disposal of construction and demolition waste over a closed MSW Landfill was issued in 1998 for a 65 acre footprint.
4. The Construction and Demolition Landfill disposal area has approximately 28 years of disposal volume remaining based on current disposal rates.
5. The facility permit for the C&D Landfill over a closed MSW Landfill was scheduled for review July 1, 2008 and the permit has expired.
6. The facility submitted a permit application (June 2008) including updated operational plans as required by the Construction and Demolition rules for continued operation of the facility. The application and subsequent additional submittals is currently under review by the Solid Waste Section Permitting Staff.
7. A public notice was filed by the Solid Waste Section on February 12, 2012 for a 45 day comment period concerning the issuance of the permit.
8. Reviewed facility operational records including tonnage reports, random inspections, methane monitoring, semiannual monitoring, and training logs.
9. Financial assurance documentation was submitted to the Solid Waste Section on November 14, 2011.
10. Reviewed landfill training records. The facility has numerous SWANA certifications for landfill operators and managers, including the following:
Jason Jernigan, Certified Landfill Manager, expires 02/11/13, Lewis Walker, Certified Landfill Manager, expires 06/26/12; Robert Rash, Compost Manager, expires 02/14/13; John Bauer, Certified Landfill Operations Specialist, expires 10/19/13; Barry Cobb, Certified Landfill Operations Specialist, expires 04/14/12; Barnard Garner, Certified Landfill Operations Specialist, expires 11/15/14; Robert Rash, Certified Landfill Operations Specialist, expires 10/19/13; Gail Hay, Certified Landfill Operations Specialist, expires 03/15/13; John Bald, Certified Landfill Operations Specialist, expires 12/04/12; Donald Van Eaton, Certified Landfill Operations Specialist, expires 11/15/14; Shane Manley, Certified Landfill Operations Specialist, expires, 07/20/13.
11. The Construction and Demolition landfill typically receives an average of 3,000-5,000 tons monthly. The facility disposed of 3,205.85 tons of C&D waste during the month of January 2012. During the reporting period July 1, 2010-June 30, 2011 the facility received 43,906.47 tons of waste.

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 3 of 3

12. Reviewed random inspection program and recent random inspection records. Approximately one random inspection per day is conducted on incoming C&D waste. Reviewed recent random inspection reports.
13. Reviewed semiannual ground water and surface water monitoring report conducted on October 7-13 2011 at 12 monitoring wells and 5 surface water locations. During the October monitoring event 10 volatile organic compounds were detected in one or more monitoring well locations. Vinyl chloride, benzene, 1,4-dichlorobenzene, and 1,1 dichloroethane exceeded the 2L groundwater water quality standards.
14. The facility is currently conducting an approved ground water assessment program and a ground water remediation plan has approved by the Solid Waste Section. The approved Corrective Action Plan consists of the utilization of phytoremediation and natural attenuation for the Phase II area. Trees were planted in April 2011 as part of the Corrective Action Plan.
15. Closed MSW areas were observed to have good vegetative cover. Mowing of vegetation on Phase II was last conducted in the fall of 2011. The facility typically conducts cap mowing operations two or more times per year. Facility operation plan stipulates vegetation on the closed MSW landfill is to be mowed twice a year.
16. All sedimentation basins are well maintained with adequate capacities, no on site or off-site erosion noted. All sedimentation basins have been recently cleaned and have adequate retention space. The facility has an active Land Quality Erosion Control Permit.
17. The facility has a Storm Water NPDES Permit NCG 120000, expiring October 31, 2012, is conducting the required storm water monitoring, and has been recently inspected by Water Quality.
18. Reviewed methane monitoring reports. The last quarterly methane monitoring event was conducted December 28, 2011. No exceedances were detected at the sampling locations consisting of 8 landfill gas monitoring wells, maintenance building, compost shed, phase II blower building, compliance building and four surface locations. Reviewed manufacturer's calibration (conducted 9/20/11) and field calibrations for the GEM 2000 gas monitor.
19. The facility has a Title V Permit for landfill gas emissions from the Division of Air Quality.
20. Surface monitoring for methane is also conducted as a condition for the Air Quality permit and was last conducted on September 22-23, 2011.
21. A landfill gas extraction/collection system is approved for the Phase II area (in combination with approval for the Phase III area system permitted under Permit 41-12). Collected landfill gas may be flared or utilized for boiler fuel by Cone Mills Corporation. During January 2012, approximately 61.3 million cubic feet of landfill gas was extracted from the Phase II and closed Phase 1 MSW Landfill areas, with approximately 75% being utilized by Cone Mills.
22. No landfill gas odors were observed on or around the Phase II landfill area.
23. Monitoring wells observed to be locked and protected by fencing. Roadways are maintained for access to the monitoring wells.
24. Observed landfill operations at the Construction and Demolition Landfill unit.
25. Waste being disposed observed to be accordance with C&D rule and permit requirements.
26. The working face was well controlled and the waste was well compacted. Adequate soil cover observed over recently filled disposal areas and intermediate areas.
27. The facility maintains a log of soil cover activities. Reviewed soil cover logs. Note: Soil cover requirements as per .0524 "Operation Plan and Requirements for C&DLF Facilities" are weekly and not 7 working days.
28. Windblown materials effectively controlled and collected. No windblown materials were observed in or around the Construction and Demolition Landfill.
29. Roadways are well maintained throughout the facility. Dust control is implemented, as necessary, with a water truck.
30. A convenience site for construction and demolition waste disposal is maintained at the site for cars and small vehicles. The convenience area was observed to be clean and well maintained.
31. A temporary disaster debris site is located adjacent to the convenience site.

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 4 of 4

32. Closure of 38 acres of the Construction and Demolition Landfill was previously identified as requiring closure as per *15A NCAC 13B .0543 (c)(5) "Closure and Post Closure Requirements for C&DLF Facilities"*. The facility submitted (dated January 31, 2012) an updated schedule for partial closure of the areas.
33. Closure for 8 acres has been scheduled in accordance with a revised closure plan submitted on November 14, 2011. **A schedule and closure plan for the remaining 30 acres requiring closure as per *15A NCAC 13B .0543 (c)(5)* is to be submitted no later than March 15, 2012.**

Please contact me if you have any questions or concerns regarding this inspection report.



Hugh Jernigan
Environmental Senior Specialist
Regional Representative

Phone: 336-771-5093.

Sent on: 02/21/12	<input checked="" type="checkbox"/>	Email	<input type="checkbox"/>	Hand delivery	<input type="checkbox"/>	US Mail	<input type="checkbox"/>	Certified No. <u> </u>
-------------------	-------------------------------------	-------	--------------------------	---------------	--------------------------	---------	--------------------------	-------------------------

Copies: Jason Watkins, Western District Supervisor
Shawn McKee, Solid Waste Compliance Officer
Pat Backus, Solid Waste Permitting